

VERSION WITH MARKINGS TO SHOW CHANGES MADE

30. (Amended) A solid state light emitting device, comprising:

at least two active layers;

at least two pairs of oppositely doped layers, each of said active layers sandwiched between one of said pairs of oppositely doped layers, each of said pairs of oppositely doped layers causing its respective one of said active layers to emit light at a predetermined wavelength in response to an electrical bias across [of] said at least two pairs; and

a doped substrate, said active layers and said pairs of oppositely doped layers disposed on said substrate such that said substrate absorbs at least some of said light from at least one of said active layers and re-emits light at a different wavelength.

31. (Amended) The light emitting device of claim 30, that emits light which is a combination of light from said active layers and said substrate.

41. (Amended) The light emitting device of claim 30, comprising a LED, said active layers emitting one color of light, said substrate doped throughout with more than one impurity such that [said] it absorbs the light from said active layers, and re-emit more than one color of light.

47. The [laser] light emitting device of claim 30, further comprising electrical circuitry integrated with said device on a common substrate.